

## Standards Actions— November 2002

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# Standards Actions



### DOE Technical Standards Program Document Status

10-31-2002

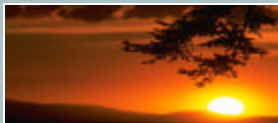
#### Activity Summary

In Conversion – 4

In Preparation – 44

Out for Comment – 21

Published this Month – 3



#### 5-year Review Status

Revision in Progress – 10

Reaffirmation in Progress – 9

Cancellation Pending – 5

Cancellation in Progress – 1

No Current Action – 21

## DOE Technical Standards Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on these drafts. The full text of the documents is available on the TSP Web Site. If you wish to comment on these documents, please notify your TSM.

### The following draft DOE Technical Standards were recently distributed for coordination:

- *Destructive Assay Methods Compendium*, Project Number SANS-0001; Project Contact: Kimberly Johnson-Miller, U.S. DOE, New Brunswick Lab., Argonne, Illinois, Preparing Activity EH-53; 630-252-4334; fax 630-252-6256; **Kimberly.Johnson-Miller@ch.doe.gov**. Comments are due December 20, 2002.
- *Waste Management Functional Area Qualification Standard*, Project Number TRNG-0028; Project Contact: Joe Arango, U.S. Department of Energy, Preparing Activity: EM-5, 202-586-7599; fax: 202-586-4314; **Joseph.Arango@em.doe.gov**. Comments are due December 5, 2002.
- *Mechanical Systems Functional Area Qualification Standard*, Project Number TRNG-0029; Project Contact: Norm Schwartz, U.S. Department of Energy, Preparing Activity EH-53, 301-903-2996, fax: 301-903-6172; **Norm.Schwartz@eh.doe.gov**. Comments are due December 23, 2002.
- *Instrumentation and Control Functional Area Qualification*, Project Number TRNG-0030; Project Contact: Norm Schwartz, U.S. Department of Energy, Preparing Activity EH-53, 301-903-2996, fax: 301-903-6172; **Norm.Schwartz@eh.doe.gov**. Comments are due December 23, 2002.
- *Chemical Processing Functional Area Qualification Standard*, Project Number TRNG-0031; Project Contact: Norm Schwartz, U.S. Department of Energy, Preparing Activity EH-53, 301-903-2996, fax: 301-903-6172; **Norm.Schwartz@eh.doe.gov**. Comments are due December 27, 2002.

## DOE Technical Standards Recently Published

### The following DOE Technical Standards were recently published and posted on the TSP Web Site:

- DOE-HDBK-1106-97 (Reaffirmed), *Radiological Contamination Control Training for Laboratory Research*, August 2002.
- DOE-STD-1155-2002, *Transportation and Traffic Management Functional Area Qualification Standard*, September 2002.
- DOE-TSL-2-2002, *Directory of Points of Contact for the DOE Technical Standards Program*, supersedes DOE-TSL-2-98, August 2002.

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DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

## Non-Government Standards

### American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at [http://web.ansi.org/rooms/room\\_14/](http://web.ansi.org/rooms/room_14/). Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or [sbose@ansi.org](mailto:sbose@ansi.org).

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, [global@ihs.com](mailto:global@ihs.com), <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

**The following American National Standards are currently in coordination** (comment due dates follow each entry):

- ASME B73.2M-200x, *Vertical In-Line Centrifugal Pumps for Chemical Process, Specifications for* (revision of ANSI/ASME B73.2M-1991 (R1999)) – November 18, 2002.
- ASTM D1796-1997 (R200x), *Test Method for Water and Sediment in Fuel Oils by the Centrifuge Method (Laboratory Procedure)* (reaffirmation of ANSI/ASTM D1796-1997) – December 9, 2002.
- ASTM D3603-1993 (R200x), *Test Method for Rust-preventing Characteristics of Steam Turbine Oil in the Presence of Water (Horizontal Disk Method)* (reaffirmation of ANSI/ASTM D3603-1993 (R1997)).
- ASTM D4007-200x, *Test Method for Water and Sediment in Crude Oil by the Centrifuge Method (Laboratory Procedure)* (revision of ANSI/ASTM D4007-2002) – December 9, 2002.
- ASTM D5304-200x, *Test Method for Assessing Distillate Fuel Storage Stability by Oxygen Overpressure* (revision of ANSI/ASTM D5304-2002) – December 9, 2002.
- ASTM D6080-1997 (R200x), *Practice for Defining the Viscosity Characteristics of Hydraulic Fluids* (reaffirmation of ANSI/ASTM D6080-1997) – December 9, 2002.
- AWS A5.8-1992 (R200x), *Specification for Filler Metals for Brazing and Braze Welding* (reaffirmation of ANSI/AWS A5.8-1992) – December 24, 2002.
- IEEE C37.10-1996 (R2002), *Guide for Diagnostics and Failure Investigation of Power Circuit Breakers* (reaffirmation of ANSI/IEEE C37.10-1996) – December 3, 2002.
- IEEE C37.59-2002, *Requirements for Conversion of Power Switchgear Equipment* (new standard) – December 3, 2002.
- IEEE C95.6-2002, *Safety Levels With Respect to Human Exposure to Electromagnetic Fields, 0 to 3 kHz* (new standard) – December 3, 2002.
- IEEE 325-1996 (R2002), *Test Procedures for Germanium Gamma-Ray Detectors* (reaffirmation of ANSI/IEEE 325-1996) – December 3, 2002.
- IEEE 484-2002, *Recommended Practice for Installation Design and Installation of Vented Lead-Acid Batteries for Stationary Applications* (revision of ANSI/IEEE 484-1996) – December 3, 2002.
- IEEE 610.12-2002, *Glossary of Software Engineering Terminology* (new standard) – December 3, 2002.
- IEEE 730-2002, *Software Quality Assurance Plans* (new standard) – December 3, 2002.
- IEEE 1028-2002, *Software Reviews* (new standard) – December 3, 2002.

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- IEEE 1246-2002, *Guide for Temporary Protective Grounding Systems Used in Substations* (revision of ANSI/IEEE 1246-1997) – December 3, 2002.
- IEEE 1325-1996 (R2002), *Recommended Practice for Reporting Field Failure Data for Power Circuit Breakers* (reaffirmation of ANSI/IEEE 1325-1996) – December 3, 2002.
- IEEE 1413.1-2002, *Guide for Selecting and Using Reliability Predictions Based on IEEE 1413* (new standard) – December 3, 2002.
- IEEE 1512.3-2002, *Hazardous Material Incident Management Message Sets for Use By Emergency Management Centers* (new standard) – December 3, 2002.
- IEEE 1584-2002, *Guide for Performing Arc Flash Hazard Calculations* (new standard) – December 3, 2002.
- IEEE 2001-2002, *Recommended Practice for the Internet - Web Site Engineering, Web Site Management, and Web Site Life Cycle* (revision of ANSI/IEEE 2001-1999) – December 3, 2002.
- UL 508C-200x, *Safety for Power Conversion Equipment* (bulletin dated 9/24/02) (revision of ANSI/UL 508C-2002) – November 18, 2002.
- UL 705-200x, *Power Ventilators* (Bulletin dated October 24, 2002) (revision of ANSI/UL 705-1994) – December 9, 2002.

**The following American National Standards have been approved for publication** (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.):

- ANSI N42.22-1995 (R2002), *Traceability of Radioactive Sources to NIST and Associated Instrument Quality Control* (reaffirmation of ANSI N42.22-1995) – September 30, 2002.
- ANSI N42.30-2002, *Performance Specification for Tritium Monitors* (new standard) – September 25, 2002.
- ANSI/AISC 341-2002, *Seismic Provisions for Structural Steel Buildings* (new standard) – September 30, 2002.
- ANSI/ASHRAE 62k-2002, *Ventilation for Acceptable Indoor Air Quality, Addenda k* (supplement to ANSI/ASHRAE 62-1989) – September 30, 2002.
- ANSI/ASTM D5425-2002, *Guide for Development of Fire Hazard Assessment Standards of Electrotechnical Products* (revision of ANSI/ASTM D5425-2000) – September 10, 2002.

- ANSI/ASTM E2232-2002, *Guide for Selection and Use of Mathematical Methods for Calculating Absorbed Dose in Radiation Processing Applications* (new standard) – September 10, 2002.
- ANSI/ISA 12.16.01-2002 (IEC 60079-7), *Electrical Apparatus for Use in Class I, Zone 1 Hazardous (Classified) Locations: Type of Protection – Increased Safety "e"* (revision of ANSI/ISA S12.16.01-1998) – October 17, 2002.
- ANSI/ISA 67.06.01-2002, *Performance Monitoring for Nuclear Safety-Related Instrument Channels in Nuclear Power Plants* (new standard) – October 11, 2002.
- ANSI/ISA 98.00.01-2002, *Qualifications and Certification of Control System Technicians* (new standard) – October 14, 2002.
- ANSI/UL 218-2002, *Standard for Safety for Fire Pump Controllers* (revision of ANSI/UL 218-2001) – October 9, 2002.
- ANSI/UL 268A-200x, *Smoke Detectors for Duct Application* (revision of ANSI/UL 268A-1994) – October 10, 2002.
- ANSI/UL 2167-2002, *Standard for Safety for Water Mist Nozzles for Fire-Protection Service* (new standard) – October 8, 2002.
- ANSI/UL 2333-2002, *Standard for Safety for Infrared Thermometers* (bulletin dated June 24, 2002) (revision of ANSI/UL 2333-2001) – September 26, 2002.

**The following international standards are currently in coordination** (comment due dates follow each entry):

- 26/247/FDIS, IEC 60974-6, *Arc welding equipment – Part 6: Limited duty manual metal arc welding power sources* – December 20, 2002.
- 65A/368/FDIS, 61511-1, Ed. 1, *Functional safety – Safety instrumented systems for the process industry sector – Part 1: Framework, definitions, system, hardware and software requirements* – November 29, 2002.
- ISO/DIS 7240-5, *Fire detection and alarm systems – Part 5: Point heat detectors* – January 2, 2003.
- ISO/DIS 10462, *Gas cylinders – Transportable cylinders for dissolved acetylene – Periodic inspection and maintenance* – January 16, 2003.
- ISO/DIS 12239, *Fire protection equipment – Self-contained smoke alarms* – January 9, 2003.
- ISO/IEC DIS 16085, *Information technology – Software life cycle processes – Risk management* – December 28, 2002.

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- ISO 7165/DAmD2, *Fire-fighting – Portable fire extinguishers – Performance and construction – Amendment 2* – January 9, 2003.

**The following newly published international standards are available:**

- ISO 12710:2002, *Non-destructive testing – Ultrasonic inspection – Evaluating electronic characteristics of ultrasonic test instruments*.
- ISO 19011:2002, *Guidelines for quality and/or environmental management systems auditing*.

## **American National Standards Projects Initiated**

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

### **American Water Works Association (AWWA)**

**Office:** 6666 West Quincy Avenue  
Denver, Colorado 80235

**Fax:** (303) 795-7603

**Contact:** John Wilber, [jwilber@awwa.org](mailto:jwilber@awwa.org)

- AWWA B110-200x, *Water Treatment Membranes and Membrane Treatment Processes* (new standard).

### **Electronic Industries Alliance (EIA)**

**Office:** 2500 Wilson Blvd., Suite 300  
Arlington, Virginia 22201-3834

**Fax:** (703) 907-7601

**Contact:** Chris Denham, [cdenham@geia.org](mailto:cdenham@geia.org)

- EIA 557A-200x, *Statistical Process Control Systems* (PN-5026) (revision of ANSI/EIA 557A-1995).

### **Hydraulic Institute (HI)**

**Office:** 9 Sylvan Way, Suite 160  
Parsippany, New Jersey 07054-3802

**Fax:** (973) 267-9055

**Contact:** Gregory Romanyshyn,  
[gromanyshyn@pumps.org](mailto:gromanyshyn@pumps.org)

- HI 9.8-200x, *Pump Intake Design*, (revision of ANSI/ HI 9.8-1998).

## **American Society for Testing and Materials International**

Standards activities of the American Society for Testing and Materials International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

**The following ASTM standards are currently in coordination (the due date for all items is November 10, 2002):**

- D 2513-02, *Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings* – revised standard.
- E 6-02a, *Terminology Relating to Methods of Mechanical Testing* – revised standard.
- E 7-01, *Terminology Relating to Metallography* – revised standard.
- New Standard, *Test Method for Scratch Hardness of Materials Using a Diamond Stylus* – ref. Z9082Z.

**The following newly published standards are available from ASTM:**

- C 1525-02, *Test Method for Determination of Thermal Shock Resistance for Advanced Ceramics by Water Quenching* – new standard.
- D 1129-02a, *Terminology Relating to Water* – revised standard.
- D 2693-02, *Specification for Ethylene Glycol* – revised standard.
- D 4726-02, *Specification for Rigid Poly (Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors* – revised standard.
- D 5847-02, *Practice for Writing Quality Control Specifications for Standard Test Methods for Water Analysis* – revised standard.

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- E 29-02, *Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications* – revised standard.
- E 162-02a, *Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source* – revised standard.
- E 178-02, *Practice for Dealing with Outlying Observations* – revised standard
- E 213-02, *Practice for Ultrasonic Examination of Metal Pipe and Tubing* – revised standard.
- E 580-02, *Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Seismic Restraint* – revised standard.
- E 814-02, *Test Method for Fire Tests of Through-Penetration Fire Stops* – revised standard.
- E 1004-02, *Practice for Determining Electrical Conductivity Using the Electromagnetic Eddy – Current Method* – revised standard.
- E 1454-02, *Guide for Data Fields for Computerized Transfer of Digital Ultrasonic Examination Data* – revised standard.
- E 1475-02, *Guide for Data Fields for Computerized Transfer of Digital Radiological Examination Data* – revised standard.
- E 1864-02, *Practice for Evaluating Quality Systems of Organizations Conducting Facility and Hazard Assessments for Lead in Paint, Dust, Airborne Particulate, and Soil in and Around Buildings and Related Structures* – revised standard.
- E 2030-02, *Guide for Recommended Uses of Photoluminescent (Phosphorescent) Safety Markings* – revised standard.
- E 2195-02, *Terminology Relating to the Examination of Questioned Documents* – new standard.

## Comments, Questions, and Addresses

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**Comments:** If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, [Richard.Serbu@eh.doe.gov](mailto:Richard.Serbu@eh.doe.gov).

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**Addresses:** *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, 865-574-0398, Fax 865-574-8481, [queenerds@ornl.gov](mailto:queenerds@ornl.gov).

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**Technical Standards Activities:** The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-0398, [queenerds@ornl.gov](mailto:queenerds@ornl.gov).